

**DON BOSCO HIGH SCHOOL, PANJIM**  
**DON BOSCO COMPETITIVE ADVANTAGE TEST (DB-CAT) 2024-25**  
**27 FEBRUARY 2025**  
**CLASS VIII**

**A. QUESTION PAPER RELATED INSTRUCTIONS**

Before you begin, check if all 80 questions have been printed on your question paper.

DB-CAT 24 - 2025 consists of a total of 80 questions as follows:

**ENGLISH – Q Nos. 1-15**

**MATHEMATICS- Q Nos. 16-30**

**SCIENCE - Q Nos. 31-45**

**HISTORY – Q Nos. 46 -55**

**GEOGRAPHY – Q Nos. 56 – 65**

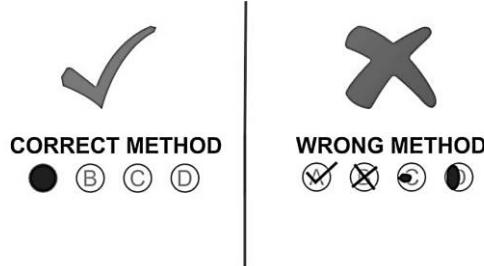
**G.K AND CURRENT AFFAIRS Q Nos. 66 – 75**

**LOGIC AND REASONING – Q Nos. 76-80**

1. Each question carries 1 mark.
2. Total duration of the test is 90 minutes
3. All questions are compulsory.
4. There is no negative marking for incorrect answers.
5. You may take away the question paper after the examination.

**B. OMR SHEET RELATED INSTRUCTIONS:**

1. Begin by writing your name and other required information in the space provided at the top of the OMR sheet.
2. Your signature must be entered in the box labelled as Candidate's signature.
3. Each Multiple Choice Question (MCQ) has four options a) b) c) and d), of which only one is the correct answer.
4. Before marking your answers, carefully read each question and review all four options.  
Changing answers is not permitted.
5. Once you are sure of your answer, use a dark pen (**BLUE OR BLACK BALL POINT PEN**) to mark your answers on the provided OMR sheet. Answers marked with pencil will not be accepted
6. Fully darken the bubble corresponding to your chosen option, as shown in the example below.



7. Responses with more than one darkened bubble or those not darkened as per instructions will be considered invalid.
8. Avoid making any stray marks on the sheet.
9. No rough work should be done on the OMR sheet. All rough work must be done in the space provided on the question paper. Additional paper for rough work will be provided by the invigilator on request.
10. Do not use a marker or whitener on the OMR sheet.

**DON BOSCO COMPETITIVE ADVANTAGE TEST  
(DB-CAT) 2024-2025  
STD VIII**

## **ENGLISH**

12. Choose the correct conjunction to complete the sentence:

**"He didn't study hard, \_\_\_\_\_ he failed the exam."**

- a) but
- b) because
- c) so
- d) and

13. Choose the correctly punctuated sentence:

- a) My brother who lives in New York is      b) My brother, who lives in New York, is coming to visit.  
coming to visit.
- c) My brother who lives in New York, is      d) My brother, who lives in New York is coming to visit.  
coming to visit.

14. Choose the correct sentence in indirect speech:

- a) She says, "I am going to the market."      b) She said that she is going to the market.
- c) She says that she is going to the      d) She said, "I am going to the market."  
market.

15. Choose the correct form of the verb to complete the sentence:

**"They \_\_\_\_\_ their homework already."**

- a) has done
- b) doing
- c) did
- d) have done

### **MATHEMATICS**

16. The volume of a cube whose edge is  $3x$  m is \_\_\_\_\_

- a)  $27x^2$  cubic m
- b)  $18x^2$  cubic m
- c)  $18 x^3$  cubic m
- d)  $27x^3$  cubic m

17. Pie chart is also called as \_\_\_\_\_

- a) Bar graph
- b) histogram
- c) Circle graph
- d) Line graph

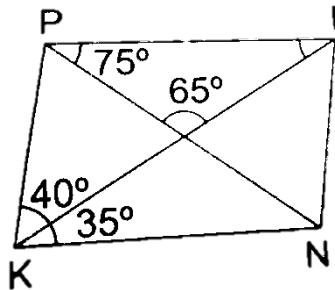
18. A quadrilateral with two pairs of parallel sides is \_\_\_\_\_

- a) kite
- b) parallelogram
- c) trapezium
- d) None

19. A 3D figure which does not have any edge or vertex is a \_\_\_\_\_

- a) sphere
- b) cylinder
- c) Cone
- d) circle

20. In the adjoining figure, PINK is a parallelogram. The  $\angle PIK$  is \_\_\_\_\_



- a)  $25^\circ$
- b)  $40^\circ$
- c)  $80^\circ$
- d)  $35^\circ$

21. Which of the following is a perfect square number?

- a) 1442
- b) 1445
- c) 1521
- d) 1518

22. The solution of the equation  $4x = -2x - 7$  is \_\_\_\_\_

- a)  $X = \frac{-6}{7}$
- b)  $X = \frac{-7}{6}$
- c)  $X = \frac{-4}{7}$
- d)  $X = \frac{-2}{7}$





50. In 1764, the \_\_\_\_\_ was invented by John Kaye which increased the productivity of the traditional spindles.

- a) spinning wheel
- b) water frame
- c) spinning jenny
- d) power loom

51. Brahmo Samaj, a reform association, was founded by \_\_\_\_\_ in 1828 in Calcutta.

- a) Ramakrishna Paramahansa
- b) Ishwar Chandra Vidyasagar
- c) Dayananda Saraswati
- d) Raja Rammohan Roy

52. Which traditional art form in the 18th century served as a means of displaying lavish lifestyles, wealth, and status?

- a) landscape
- b) sculpture
- c) portraiture
- d) calligraphy

53. Secularism refers to the separation of \_\_\_\_\_ from the state.

- a) economy
- b) religion
- c) politics
- d) education

54. Every citizen of India can approach the Supreme Court or the High Court if they believe that their \_\_\_\_\_ have been violated.

- a) Property Rights
- b) Voting Rights
- c) Employment Rights
- d) Fundamental Rights

55. The right to be informed at the time of arrest about the offence for which a person is being arrested is stated in \_\_\_\_\_ of the Constitution.

- a) Article 48
- b) Article 22
- c) Article 21
- d) Article 50

**GEOGRAPHY**

56. Which of the following methods is most effective in preventing soil erosion on steep slopes?

- a) Shelter belts
- b) Terrace cultivation
- c) Mulching
- d) Rock dam

57. Biotic resources are \_\_\_\_\_.

- a) made by human beings
- b) derived from non-living things
- c) derived from living things
- d) derived from physical factors

58. Which country is the world's leading producer of coffee?

- a) India
- b) Brazil
- c) Bihar
- d) Russia

59. Horticulture means \_\_\_\_\_.

- a) growing of fruits and vegetables
- b) growing of wheat
- c) primitive farming
- d) growing of grapes

60. Which of the following is not commercial farming?

- a) Plantation agriculture
- b) Organic farming
- c) Mixed farming
- d) Grain farming

61. Which one of the following industries is known as the 'sunrise industry'?

- a) Iron and steel industry
- b) Cotton Textile
- c) Information Technology
- d) Cement Industry

62. The uneven distribution of population in the world is primarily due to variations in \_\_\_\_\_.

- a) land and climate
- b) climate
- c) vegetation
- d) settlement

63. What is the lowermost layer of soil called?

- a) sub soil
- b) parent rock
- c) weathered rock
- d) top soil

## **G.K/ CURRENT AFFAIRS**

## **LOGIC AND REASONING**

c) John

d) Sam

79. If  +  +  = 18 and  +  = 12 and  +  = 14, then what is the value of ?

80. If VELOCITY = @53#1\*\$9, AROUSE = !%5 then VORACIOUS = ?

\*\*\*\*\*Space for Rough work\*\*\*\*\*